



Project ENSURE

Cooperation project between TUC & UK

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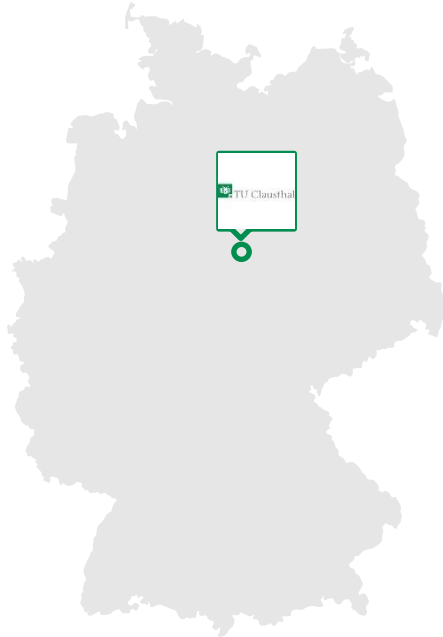


TU Clausthal



U N I K A S S E L
V E R S I T Ä T

Cooperation project – TU-Clausthal



Institute of Repository Research



TU Clausthal



U N I K A S S E L
V E R S I T Ä T

Cooperation project – TU-Clausthal



Institute of Industrial and
Organizational Psychology



Cooperation project – TU-Clausthal



- M. Sc. Psychology
- Topics:
 - Heuristics and Biases in Organizational Decision Making
 - Psychological Stress at the Workplace



Cooperation project – TU-Clausthal



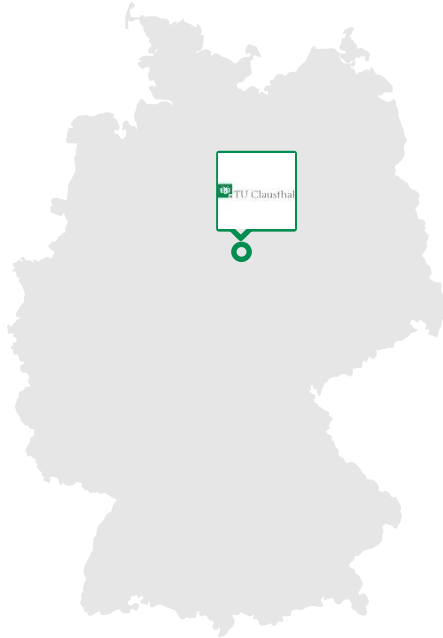
- M. Sc. Industrial and Organizational Psychology
- B. Sc. in Psychology & Health Psychology
- Occupational Safety Specialist



Cooperation project – TU-Clausthal



Source:
endlagersuche.de



- Master in Geoenvironmental Engineering (TUC)
- Environmental Monitoring and Analysis (HTW DD)
- Member of “Rat der jungen Generation”



What is ENSURE?

- Short: „**Endlagerssicherheit: Ungewissheiten und **R**egulatorische Aspekte“**
- Cooperation project between Technical University of Clausthal and the University of Kassel, the Institute of Repository Research and the Institute of Industrial and Organizational Psychology



Our aim in general:

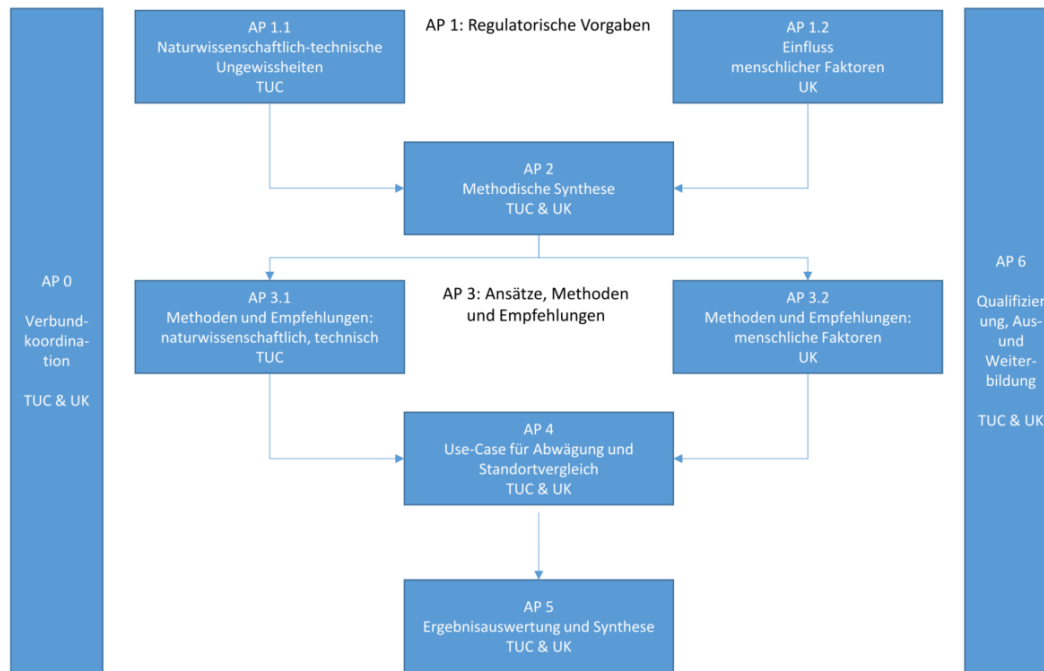
- To make guidelines about consideration of uncertainties in the context of performing and communicating safety investigations
- In the framework of safety-related considerations for the German selection process of a repository site with specific account for the regulatory boundary conditions



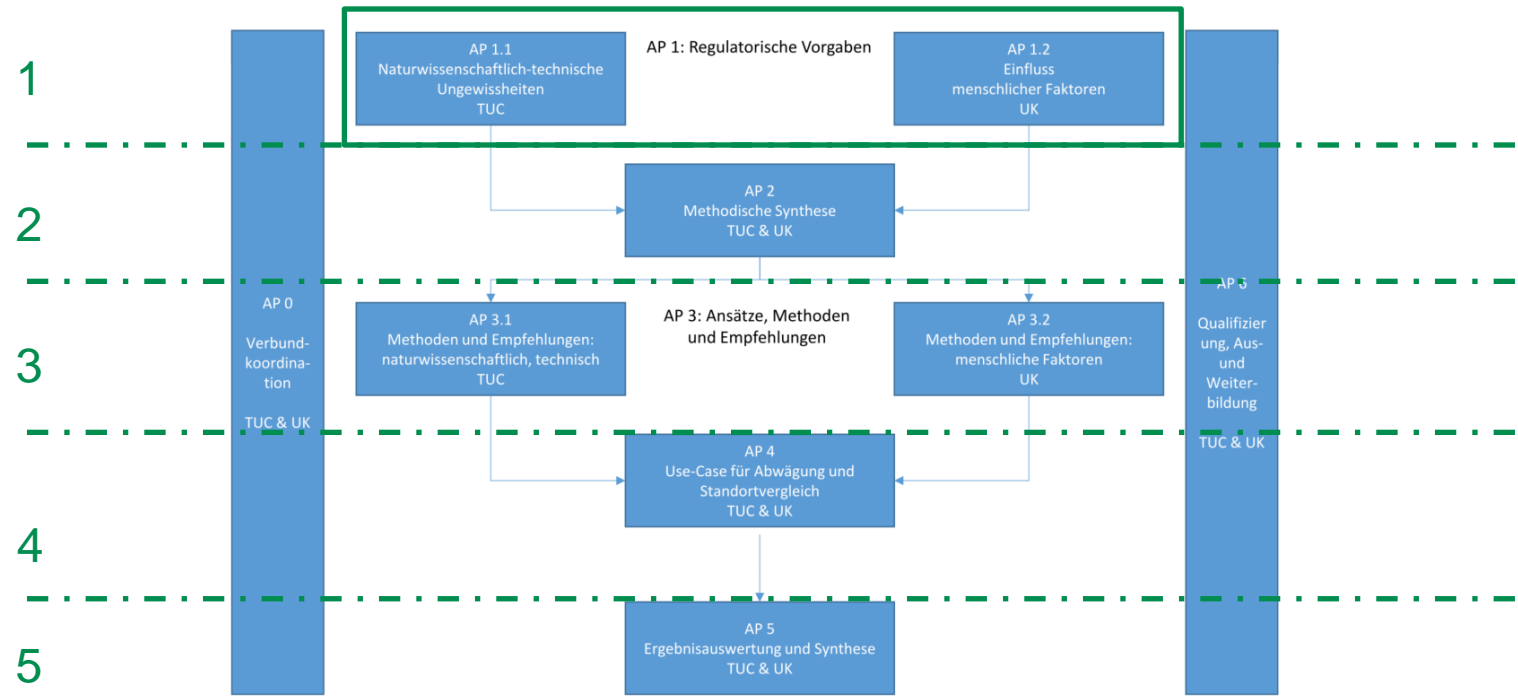
What are we particularly concerned with?

- We regard the human factors part as well as the scientific and technology part in a linked way.
- Human factors part → University of Kassel
- Scientific and technology part → technical University of Clausthal

Work packages and interaction



Work packages and interaction





ENSURE – aims in detail (1):

- Summarization and analysis of regulatory frameworks, synthesis from an interdisciplinary point of view and analysis as evaluation of possible influences of psychological aspects on the evaluation or participation process

ENSURE aims in detail (2):

- Iterative development of strategies for handling scientific-technical uncertainties in cooperation with the research cluster uncertainties in cooperation with Network 1, 2 and 4

Topic 1
RADON

Leibniz
Universität
Hannover

Topic 2
MeQUR

UFZ HELMHOLTZ
Zentrum für Umweltforschung BGR

TU BERGAKADEMIE
FREIBERG TECHNISCHE UNIVERSITÄT
CHEMNITZ

Topic 4
4.1 REDUKLIM

GRS Fraunhofer
IPT

4.2 Smart Monitor

RWTH AACHEN
UNIVERSITY Universität
Stuttgart

ENSURE aims in detail (3):

- Iteratively develop strategies for handling uncertainties at the interface between safety investigations and geoscientific consideration in collaboration with Network 5





ENSURE aims in detail (4):

- Derive holistic approaches and methodologies incorporating the “human factor” with the aim of making assessment and consideration processes more robust &
- Approaches for communication of results with regard to scientific and public participation formats



ENSURE aims in detail (5/6):

- In cooperation of all cluster members:
 - Development of recommendations for the consideration of uncertainties in the conduct and communication of safety investigations
 - & their transparent and comprehensible application in cooperation with the geoscientific weighing mechanism

- Training of young scientists

Uncertainty is coming – that the people think about...





Uncertainty is coming – and our reaction should be





- Cause, we know to handle it (or we believe how to handle it)





Thank you for your attention